



बिहार पुलिस भवन निर्माण निगम

(बिहार सरकार का उपक्रम)

कौटिल्य नगर, पटना-14, फोन नं०-2223727, फैक्स नं०- 2224529 2224529

कोटेशन आमंत्रण सूचना संख्या- 4/2017

बिहार राज्य के वैशाली जिलान्तर्गत हाजीपुर मंडल कारा परिसर में बिहार सुचारात्मक प्रशिक्षण संस्थान (B.I.C.A.) के लिए 750 KVA Distribution Transformer, Panel, Cable, laying of cable, earthing सहित आपूर्ति, अधिष्ठापन, टेस्टिंग एवं कमिशनिंग का कार्य का पर्याप्त अनुभव रखने वाले निर्माताओं से मुहरबंद कोटेशन दिनांक- 20.02.2017 के 3.00 बजे अपराह्न तक आमंत्रित की जाती है।

1-कोटेशन प्राप्ति का स्थान-मुख्य अभियंता, बिहार पुलिस भवन निर्माण निगम, पटना का कार्यालय होगा। सभी प्राप्त कोटेशन उसी तिथि को अपराह्न 3.30 बजे कोटेशनदाताओं या उनके द्वारा प्राधिकृत प्रतिनिधियों के समक्ष खोली जाएगी।

कोटेशनदाता अपना कोटेशन स्थल निरीक्षण के पश्चात् ही समर्पित करेंगे। स्थल की जानकारी विद्युत कार्यपालक अभियंता, पटना से प्राप्त की जा सकती है। कोई भी कोटेशन को बिना कारण बताये रद्द करने तथा कार्यस्थलों की संख्या में कमी या वृद्धि का अधिकार अधोहस्ताक्षरी को सुरक्षित रहेगा। D.G.S.&D का दर ही आपूर्ति हेतु मानक होगा। D.G.S.&D से पंजीकृत निर्माता ही कोटेशन समर्पित करने हेतु सक्षम होंगे।

उक्त कार्य के बारे में विस्तृत Terms & conditions Quotation no.4/2017 as annexure-1, जानकारी, रूपरेखा एवं अन्य सूचनाएँ किसी भी कार्य दिवस में अधोहस्ताक्षरी के कार्यालय या वेबसाइट www.bpbcc.co.in पर भी देखा जा सकता है।

मुख्य अभियंता, पटना।

Anexure -I

Detailed estimate for Supply, installation, testing commissioning of Two Pole structure, 750 KVA Distribution Transformer, Panel, Cable ,laying of Cable and etc. as per reqd. work at Bihar Institute of correctional administration(B.I.C.A) Hazipur in the Dist. of vaishali.

SI No	Part	Item Description	Make	Qty.		Rate	Amount
		Supply of H.T. Yard / Sub-Station					
		Supply of following material as per the detail given in the specifications and item list description.					
1	NSI	Supply & installation Two pole structural Rail pole 13mtr 105LBS (60KG) conforming to for erecting 11kv two pole structure comprising with red oxide primer and and two coats at synthetic enamel paint and necessary foundation including excavation and earth work for steel structure with PCC 1:2:4 with following accessories					
		Supply & installation 11kv 9KA Discharge current single pole lighting arrestor with insulated base necessary hardware - 3nos					
		Supply & installation 11kv single pole strain insulator complete with all necessary hardware -3nos					
		Supply & installation 11kv 3 phase 200A Vertical type gang operated switch with Hot dip galvanised channels post type, insulator ,tinned ,copper contacts,arcing horns , GI pipe gange operating handle, locking arrangement etc. complete in all respect. 1set					
		Supply & installation 11kv Post type insulator jumper Support -3nos					
		11KV 3 Phase 200A Dropout fuse with 60Amp Vertical type insulator tinned copper contacts Bakelite fuse carriers etc. complete in all respects-1Set.					
		Supplying & installing of "DOG" 6/. 186 Al Plus 7 / 0.062 Steel ACSR overhead conductor 10 Mtr.					
		Anti-Climbing devices on each pole made out of 2mm barbed wire coiled along with pole					
		Danger Notice Boards with Skull & Bones in red colour made out of 14 swg sheet in Hindi & English with voltage indicator,		1	Set	197380	197380
2	NSI	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. (For Lighting arrestor)		2	Sq mtr	1910	3820
3	NSI	Extra for using salt and charcoal for proper earth electrode as required.		2	set	1116	2232
4	NSI	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.		30	Mtr	65	1950
5	NSI	Providing and laying earth connections from earth electrode with 4.00 mm copper wire in 15 mm dia G.I. pipe from earth electrode, as required.		10	Mtr	172	1720

6	NSI	Earthing with copper earth plate 600mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc as required. (but without charcoal or coke and salt)		2	Set	5578	11156
7	NSI	Extra for using salt and charcoal for G.I or Copper Plate earth electrode as required.		2	Set	1328	2656
	NSI	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.		100	Mtr	65	6500
8	NSI	Providing and laying earth connections from earth electrode with 4.00 mm copper wire in 15 mm dia G.I. pipe from earth electrode, as required.		80 Mtr	Set	172	13760
9		S/L 50 mmx6mm G.I Strip with Insulation as strip earth electrode,including connection/terminating with G.I nut,bolt spring washer etc as required (Jointing shall be done by over lapping and with 2 sets of G.I nut bolt & spring washer spaced at 50mm.		50	Mtr	355	17750
10		P/f 50 mm x 10 mm copper strip in 65 mm dia G.I Pipe from earth electrode including connection with brass nut,bolt,spring,washer excavation and refilling etc as required.		40	Mtr	1978	79120
		Supply and Installation and commissioning of outdoor pad mounted 750 KVA,11 KV/415 V, 3 phase 50 HZ Delta/star,Oil cooltype copper wound Transformer confirming with-Off Circuit Tap Changer to IS-2026 complete with all standard accessories & equipments etc as per specification with required test as per I.S rules & Instruction.		1	set	1032050	1032050
		Construction & Supply Of All raw materials for making of plinth for 750 KVA Transformer (Plinth Should have minimum hight of 3 feet)		350	Approx Cu.Ft	258	90300
11	NSI	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core,XLPE aluminium conductor cable of 11 KV grade as required (For 90 Sqmm cable)		2	Set	8265	16530
		Supplying of 3 core 95 sqmm HT PVC/XLPE insulated PVC sheathed ,heavy duty armoured electrical cable including 11 volts (Conforms to IS: 1554 part-1)		25	mtr	1600	40000
	a	S/F of Light class G.I Pipe of 100 mm dia.(nominal) 3 mtrs length along the pole for protection of under ground cable as required.		1	Each	2256	2256
	b	Supplying,Installation,testing and commissioning of cubical type LT Panel suitable for 415 Volts	L&T.ABB,L egrand,C& S	1	Nos	215630	215630
	c	1 No 400A, TPN MCCB having breaking capacity 50 KA with fixed Thermal Magnetic based protection with Main incomer Interlocking etc.as required.(For 200KVA DG Set)	L&T.ABB,L egrand,C& S	1	Nos	32600	32600
		BUSCOPLER					
	d	1No 630A 50Ka 4 Pole EDO ACB with interlocked with main breaker along etc.as required.	L&T.ABB,L egrand,C& S	1	Nos	215630	215630
	e	1 No 400A, TPN MCCB having breaking capacity 50 KA with fixed Thermal Magnetic based protection with Main incomer Interlocking etc.as required.	L&T.ABB,L egrand,C& S	1	Nos	32600	32600
		BUSBARS					

		Aluminium bus bars of minimum of 1600mp TPN with suitable length & heat shrinkable coloured sleeves and including BMC/SMC bus bars supports at required interval complete for cross section, side supports and their spacing etc. for withstanding fault level of 31 MVA for 1 sec	Hindalco, Jindal	1	set	452500	452500
		INDICATING PANEL					
		The Indicating panel of the incomer ACB shall be provided with the following :					
	f	3 Sets of 3 Nos. of LED phase indication lamps each back up with 2A MCB.	L&T. Siemens, C&S	3	set	3000	9000
	g	3 Sets Multifunction Meter with selector switch required CT's with 2A back up MCB	L&T. Siemens, Schneider, AE, Matrix	3	set	12000	36000
	h	5 Sets of 2 Nos.ON/OFF indicating lamp on incomer feeder for indicating the status of feeder. 1 No. T-N-C breaker control switch. (Trip/Neutral/Close).	L&T. Siemens, C&S	5	set	2000	10000
		OUTGOINGS					
	i	4Nos. 400A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos	31000	124000
	j	4Nos. 250A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos	22000	88000
	k	4Nos. 200A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	4	Nos	20000	80000
	l	2Nos. 160A, TPN MCCB having breaking capacity 36 KA with fixed Thermal Magnetic based protection.	L&T.ABB, Legrand, C&S	2	Nos	15000	30000
		L.T Cable					
12	NSI	Supplying of 3.5 core 300 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	680	Mtr	2160	1468800
13	NSI	Supplying of 3.5 core 185 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	574	Mtr	1400	803600
14	NSI	Supplying of 3.5 core 150 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	380	Mtr	1120	425600
15	NSI	Supplying of 3.5 core 120 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab, Havells, RR Cable	482	Mtr	950	457900
16	NSI	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. (Above 70 sq. mm and upto 300 sq. mm)		2220	Mtr	248	550560
17	NSI	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. (Above 95 sq. mm and upto 185 sq. mm)		50	Mtr	150	7500
18	NSI	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required. 300mm dia		30	Mtr	592	17760

19	NSI	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc. as required 150mm dia		15	Mtr	1265	18975
20	NSI	Supplying of 3.5 core 400 sq. mm PVC/XLPE insulated PVC sheathed, heavy duty armoured electrical cable including 1100 volts (Conforms to IS: 1554 part-I)	Polaycab,Havells,RR Cable	60	Mtr	2750	165000
21	NSI	Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	Polaycab,Havells,RR Cable				
a		3½ x 400 sq. mm (82mm)		4	Nos	1389	5556
b		3½ x 300 sq. mm (70mm)		8	Nos	1106	8848
c		3½ x 185 sq. mm (57mm)		8	Nos	804	6432
d		3½ x 150 sq. mm (50mm)		8	Nos	592	4736
e		3½ x 120 sq. mm (45mm)		4	Nos	500	2000
22	NSI	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.		2100	Mtr	30	63000
						Total Rs	6851407.00

J.E.(Electrical.)
B.P.B.C.C.

A.E.(Electrical)
B.P.B.C.C.

Executive Eng.(Electrical)
B.P.B.C.C. Patna.